

CPC**COOPERATIVE PATENT CLASSIFICATION****C01G****COMPOUNDS CONTAINING METALS NOT COVERED BY SUBCLASSES C01D OR C01F**

(metal hydrides { monoborane, diborane or addition complexes thereof} [C01B 6/00](#); salts of oxyacids of halogens [C01B 11/00](#); peroxides, salts or peroxyacids [C01B 15/00](#); thiosulfates, dithionites, polythionates [C01B 17/64](#); compounds containing selenium, or tellurium [C01B 19/00](#); binary compounds of nitrogen with metals [C01B 21/06](#); azides [C01B 21/08](#); { compounds containing nitrogen, other non-metals and metal [C01B 21/082](#)}; metal amides [C01B 21/092](#); nitrites [C01B 21/50](#); { compounds of noble gases [C01B 23/0005](#)}; phosphides [C01B 25/08](#); salts of oxyacids of phosphorus [C01B 25/16](#); carbides [C01B 31/30](#); compounds containing silicon [C01B 33/00](#); compounds containing boron [C01B 35/00](#); compounds having molecular sieve properties but not having base-exchange properties [C01B 37/00](#); compounds having molecular sieve and base-exchange properties, e.g. crystalline zeolites, [C01B 39/00](#); cyanides [C01C 3/08](#); salts of cyanamide [C01C 3/16](#); thiocyanates [C01C 3/20](#))

WARNING

[C2011.12]

Groups [C01G 51/30](#) to [C01G 51/70](#) and [C01G 53/40](#) to [C01G 53/70](#) do not correspond to former or current IPC-groups. The concordance CPC : IPC is as follows:- [C01G 51/30](#) - 51/70 : [C01G 51/00](#)- [C01G 53/40](#) - 53/70 : [C01G 53/00](#)

C01G 1/00

Methods of preparing compounds of metals not covered by subclasses [C01B](#), [C01C](#), [C01D](#), or [C01F](#), in general (electrolytic production of inorganic compounds [C25B 1/00](#))

C01G 1/02

. Oxides

C01G 1/04

. Carbonyls

C01G 1/06

. Halides

C01G 1/08

. Nitrates

C01G 1/10

. Sulfates

C01G 1/12

. Sulfides

C01G 1/14

. Sulfites

C01G 3/00

Compounds of copper

C01G 3/003

. {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

- C01G 3/006 . {Compounds containing, besides copper, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 3/02 . Oxides; Hydroxides
- C01G 3/04 . Halides
- C01G 3/05 . . Chlorides
- C01G 3/06 . . Oxychlorides
- C01G 3/08 . Nitrates
- C01G 3/10 . Sulfates
- C01G 3/12 . Sulfides
- C01G 3/14 . Complexes with ammonia

- C01G 5/00 Compounds of silver**
- C01G 5/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 5/006 . {Compounds containing, besides silver, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 5/02 . Halides

- C01G 7/00 Compounds of gold**
- C01G 7/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 7/006 . {Compounds containing, besides gold, two or more other elements, with the exception of oxygen or hydrogen}

- C01G 9/00 Compounds of zinc**
- C01G 9/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 9/006 . {Compounds containing, besides zinc, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 9/02 . Oxides; Hydroxides
- C01G 9/03 . . Processes of production using dry methods, e.g. vapour phase processes
- C01G 9/04 . Halides
- C01G 9/06 . Sulfates
- C01G 9/08 . Sulfides

C01G 11/00 **Compounds of cadmium**

- C01G 11/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 11/006 . {Compounds containing, besides cadmium, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 11/02 . Sulfides

C01G 13/00 **Compounds of mercury**

- C01G 13/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 13/006 . {Compounds containing, besides mercury, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 13/02 . Oxides
- C01G 13/04 . Halides

C01G 15/00 **Compounds of gallium, indium or thallium**

- C01G 15/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 15/006 . {Compounds containing, besides gallium, indium, or thallium, two or more other elements, with the exception of oxygen or hydrogen}

C01G 17/00 **Compounds of germanium**

- C01G 17/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 17/006 . {Compounds containing, besides germanium, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 17/02 . Germanium dioxide
- C01G 17/04 . Halides of germanium

C01G 19/00 **Compounds of tin**

- C01G 19/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 19/006 . {Compounds containing, besides tin, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 19/02 . Oxides
- C01G 19/04 . Halides

- C01G 19/06 .. Stannous chloride
- C01G 19/08 .. Stannic chloride

C01G 21/00 Compounds of lead

- C01G 21/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 21/006 . {Compounds containing, besides lead, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 21/02 . Oxides
 - C01G 21/04 .. Lead suboxide (Pb₂O)
 - C01G 21/06 .. Lead monoxide (PbO)
 - C01G 21/08 .. Lead dioxide (PbO₂)
 - C01G 21/10 .. Red lead (Pb₃O₄)
- C01G 21/12 . Hydroxides
- C01G 21/14 . Carbonates
- C01G 21/16 . Halides
- C01G 21/18 . Nitrates
- C01G 21/20 . Sulfates
- C01G 21/21 . Sulfides
- C01G 21/22 . Plumbates; Plumbites

C01G 23/00 Compounds of titanium {(preparation of Ti-compounds from ores or scraps [C22B 34/12](#))}

- C01G 23/001 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 23/002 . {Compounds containing, besides titanium, two or more other elements, with the exception of oxygen or hydrogen ([C01G 23/001](#) takes precedence)}
- C01G 23/003 . {Titanates, e.g. titanates of two or more metals other than titanium ([C01G 23/001](#) takes precedence)}
- C01G 23/005 .. {Alkali titanates}
- C01G 23/006 .. {Alkaline earth titanates}
- C01G 23/007 . {Titanium sulfides ([C01G 23/001](#) takes precedence)}
- C01G 23/008 . {Titanium- and titanyl sulfate ([C01G 23/001](#) takes precedence)}
- C01G 23/02 . Halides of titanium
 - C01G 23/022 .. {Titanium tetrachloride}

- C01G 23/024 . . . {Purification of tetrachloride}
- C01G 23/026 .. {Titanium trichloride}
- C01G 23/028 .. {Titanium fluoride}

- C01G 23/04 . Oxides; Hydroxides
- C01G 23/043 .. {Titanium sub-oxides}
- C01G 23/047 .. Titanium dioxide
- C01G 23/0475 . . . {Purification}
- C01G 23/053 . . . Producing by wet processes, e.g. hydrolysing titanium salts
- C01G 23/0532 {by hydrolysing sulfate-containing salts}
- C01G 23/0534 {in the presence of seeds}
- C01G 23/0536 {by hydrolysing chloride-containing salts}
- C01G 23/0538 {in the presence of seeds}
- C01G 23/07 . . . Producing by vapour phase processes, e.g. halide oxidation
- C01G 23/075 {Evacuation and cooling of the gaseous suspension containing the oxide;
Desacidification and elimination of gases occluded in the separated oxide}
- C01G 23/08 . . . Drying; Calcining; {After treatment of titanium oxide}

C01G 25/00 **Compounds of zirconium**

- C01G 25/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 25/006 . {Compounds containing, besides zirconium, two or more other elements, with the exception of oxygen or hydrogen}

- C01G 25/02 . Oxides
- C01G 25/04 . Halides
- C01G 25/06 . Sulfates

C01G 27/00 **Compounds of hafnium**

- C01G 27/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 27/006 . {Compounds containing, besides hafnium, two or more other elements, with the exception of oxygen or hydrogen}

- C01G 27/02 . Oxides
- C01G 27/04 . Halides
- C01G 27/06 . Sulfates

C01G 28/00 **Compounds of arsenic**

- C01G 28/001 . {Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange}

- C01G 28/002 . {Compounds containing, besides arsenic, two or more other elements, with the exception of oxygen or hydrogen ([C01G 28/001](#) takes precedence)}
- C01G 28/004 .. {containing halogen}
- C01G 28/005 . {Oxides; Hydroxides; Oxyacids ([C01G 28/001](#) takes precedence)}
- C01G 28/007 . {Halides ([C01G 28/001](#) takes precedence)}
- C01G 28/008 . {Sulfides ([C01G 28/001](#) takes precedence)}
- C01G 28/02 . Arsenates; Arsenites {([C01G 28/001](#) takes precedence)}
- C01G 28/023 .. {of ammonium, alkali or alkaline-earth metals or magnesium}
- C01G 28/026 .. {containing at least two metals}
- C01G 29/00 Compounds of bismuth**
- C01G 29/003 . {Preparations involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 29/006 . {Compounds containing, besides bismuth, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 30/00 Compounds of antimony**
- C01G 30/001 . {Preparation involving a solvent-solvent extraction, an adsorption or an ion-exchange}
- C01G 30/002 . {Compounds containing, besides antimony, two or more other elements, with the exception of oxygen or hydrogen ([C01G 30/001](#) takes precedence)}
- C01G 30/003 .. {containing halogen}
- C01G 30/004 . {Oxides; Hydroxides; Oxyacids ([C01G 30/001](#) takes precedence)}
- C01G 30/005 .. {Oxides}
- C01G 30/006 . {Halides ([C01G 30/001](#) takes precedence)}
- C01G 30/007 .. {of binary type SbX_3 or SbX_5 with X representing a halogen, or mixed of the type $SbX_3X'_2$ with X, X' representing different halogens}
- C01G 30/008 . {Sulfides ([C01G 30/001](#) takes precedence)}
- C01G 30/02 . Antimonates; Antimonites {([C01G 30/001](#) takes precedence)}
- C01G 30/023 .. {of ammonium, alkali or alkaline-earth metals or magnesium}
- C01G 30/026 .. {containing at least two metals}
- C01G 31/00 Compounds of vanadium**
- C01G 31/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 31/006 . {Compounds containing, besides vanadium, two or more other elements, with the

exception of oxygen or hydrogen}

C01G 31/02

. Oxides

C01G 31/04

. Halides

C01G 33/00

Compounda of niobium

C01G 33/003

. {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

C01G 33/006

. {Compounds containing, besides niobium, two or more other elements, with the exception of oxygen or hydrogen}

C01G 35/00

Compounds of tantalum

C01G 35/003

. {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

C01G 35/006

. {Compounds containing, besides tantalum, two or more other elements, with the exception of oxygen or hydrogen}

C01G 35/02

. Halides

C01G 37/00

Compounds of chromium

C01G 37/003

. {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

C01G 37/006

. {Compounds containing, besides chromium, two or more other elements, with the exception of oxygen or hydrogen}

C01G 37/02

. Oxides or hydrates thereof

C01G 37/027

.. Chromium dioxide

C01G 37/033

.. Chromium trioxide; Chromic acid

C01G 37/04

. Chromium halides

C01G 37/06

.. Chromylhalides

C01G 37/08

. Chromium sulfates

C01G 37/10

.. Chrome alum

C01G 37/14

. Chromates; Bichromates

C01G 39/00

Compounds of molybdenum

C01G 39/003

. {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}

C01G 39/006

. {Compounds containing, besides molybdenum, two or more other elements, with the exception of oxygen or hydrogen}

- C01G 39/02 . Oxides; Hydroxides
- C01G 39/04 . Halides
- C01G 39/06 . Sulfides

- C01G 41/00 **Compounds of tungsten****

- C01G 41/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 41/006 . {Compounds containing, besides tungsten, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 41/02 . Oxides; Hydroxides
- C01G 41/04 . Halides

- C01G 43/00 **Compounds of uranium****

- C01G 43/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 43/006 . {Compounds containing, besides uranium, two or more other elements, with the exception of oxygen or hydrogen}
- C01G 43/01 . Oxides; Hydroxides
- C01G 43/025 .. Uranium dioxide
- C01G 43/04 . Halides of uranium
- C01G 43/06 .. Fluorides
- C01G 43/063 ... {Hexafluoride (UF₆)}
- C01G 43/066 {Preparation}
- C01G 43/08 .. Chlorides
- C01G 43/10 .. Bromides
- C01G 43/12 .. Iodides

- C01G 45/00 **Compounds of manganese****

- C01G 45/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 45/006 . { Compounds containing, besides manganese, two or more other elements, with the exception of oxygen or hydrogen (**manganates, manganites or permanganates** [C01G 45/12](#))}
- C01G 45/02 . Oxides; Hydroxides
- C01G 45/04 . Carbonyls

- C01G 45/06 . Halides
- C01G 45/08 . Nitrates
- C01G 45/10 . Sulfates
- C01G 45/12 . Manganates { manganites or} permanganates
- C01G 45/1207 .. { Permanganates ([MnO₄]⁻) or manganates ([MnO₄]²⁻)
- C01G 45/1214 ... { containing alkali metals}
- C01G 45/1221 .. { Manganates or manganites with a manganese oxidation state of Mn(III), Mn(IV) or mixtures thereof}
- C01G 45/1228 ... { of the type [MnO₂]ⁿ⁻, e.g. LiMnO₂, Li[MxMn_{1-x}]O₂ }
- C01G 45/1235 ... { of the type [Mn₂O₄]²⁻, e.g. Li₂Mn₂O₄, Li₂[MxMn_{2-x}]O₄ }
- C01G 45/1242 ... { of the type [Mn₂O₄]⁻, e.g. LiMn₂O₄, Li[MxMn_{2-x}]O₄ }
- C01G 45/125 ... { of the type [MnO₃]ⁿ⁻, e.g. Li₂MnO₃, Li₂[MxMn_{1-x}]O₃, (La,Sr)MnO₃}
- C01G 45/1257 { containing lithium, e.g. Li₂MnO₃, Li₂[MxMn_{1-x}]O₃}
- C01G 45/1264 { containing rare earth, e.g. La_{1-x}CaxMnO₃, LaMnO₃}
- C01G 45/1271 ... { of the type [Mn₂O₈]ⁿ⁻, e.g. (LaSr₃)Mn₂O₈}
- C01G 45/1278 ... { of the type [Mn₂O₇]ⁿ⁻, e.g. (Sr_{2-x}Ndx)Mn₂O₇, Ti₂Mn₂O₇}
- C01G 45/1285 ... { of the type [Mn₂O₅]ⁿ⁻}
- C01G 45/1292 ... { of the type [Mn₅O₁₂]ⁿ⁻}

C01G 47/00 **Compounds of rhenium**

- C01G 47/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 47/006 . {Compounds containing, besides rhenium, two or more other elements, with the exception of oxygen or hydrogen}

C01G 49/00 **Compounds of iron**

- C01G 49/0009 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 49/0018 . {Mixed oxides or hydroxides, e.g. ferrites ([C01G 49/0009](#) takes precedence)}
- C01G 49/0027 .. {containing one alkali metal}
- C01G 49/0036 .. {containing one alkaline earth metal, magnesium or lead}
- C01G 49/0045 .. {containing aluminium}
- C01G 49/0054 .. {containing one rare earth metal, yttrium or scandium}
- C01G 49/0063 .. {containing zinc}
- C01G 49/0072 .. {containing manganese}
- C01G 49/0081 .. {containing iron in unusual valence state (IV, V, VI), e.g. ferrates}
- C01G 49/009 . {Compounds containing, besides iron, two or more other elements, with the exception of oxygen or hydrogen}

- C01G 49/02 . Oxides; Hydroxides {(C01G 49/0018 takes precedence)}
- C01G 49/04 .. Ferrous oxide (FeO)
- C01G 49/06 .. Ferric oxide (Fe₂O₃)
- C01G 49/08 .. Ferroso-ferric oxide (Fe₃O₄)
- C01G 49/10 . Halides {(C01G 49/0018 takes precedence)}
- C01G 49/12 . Sulfides {(C01G 49/0018 takes precedence)}
- C01G 49/14 . Sulfates {(C01G 49/0018 takes precedence)}
- C01G 49/16 . Carbonyls {(C01G 49/0018 takes precedence)}

C01G 51/00 **Compounds of cobalt**

- C01G 51/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 51/006 . { Compounds containing, besides cobalt, two or more other elements, with the exception of oxygen or hydrogen (cobaltates C01G 51/40)}
- C01G 51/02 . Carbonyls
- C01G 51/04 . Oxides; Hydroxides
- C01G 51/06 . Carbonates
- C01G 51/08 . Halides
- C01G 51/085 .. {Chlorides}
- C01G 51/10 . Sulfates
- C01G 51/12 . Complexes with ammonia
- C01G 51/30 . { Sulfides}
- C01G 51/40 . { Cobaltates}
- C01G 51/42 .. { containing alkali metals, e.g. LiCoO₂}
- C01G 51/44 ... { containing manganese}
- C01G 51/50 { of the type [MnO₂]ⁿ⁻, e.g. Li(CoxMn_{1-x})O₂, Li(MyCoxMn_{1-x-y})O₂}
- C01G 51/52 { of the type [Mn₂O₄]²⁻, e.g. Li₂(CoxMn_{2-x})O₄, Li₂(MyCoxMn_{2-x-y})O₄}
- C01G 51/54 { of the type [Mn₂O₄]⁻, e.g. Li(CoxMn_{2-x})O₄, Li(MyCoxMn_{2-x-y})O₄}
- C01G 51/56 { of the type [MnO₃]²⁻, e.g. Li₂[CoxMn_{1-x}O₃], Li₂[MyCoxMn_{1-x-y}O₃]}
- C01G 51/58 { of the type [Mn₂O₈]ⁿ⁻}
- C01G 51/60 { of the type [Mn₂O₇]ⁿ⁻}
- C01G 51/62 { of the type [Mn₂O₅]ⁿ⁻}
- C01G 51/64 { of the type [Mn₅O₁₂]ⁿ⁻}
- C01G 51/66 .. { containing alkaline earth metals, e.g. SrCoO₃}

- C01G 51/68 . . . { containing rare earth, e.g. $\text{La}_{0.3}\text{Sr}_{0.7}\text{CoO}_3$ }
- C01G 51/70 .. { containing rare earth, e.g. LaCoO_3 ([C01G 51/68](#) takes precedence)}

C01G 53/00 Compounds of nickel

- C01G 53/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 53/006 . { Compounds containing, besides nickel, two or more other elements, with the exception of oxygen or hydrogen ([nickelates C01G 53/40](#))}
- C01G 53/02 . Carbonyls
- C01G 53/04 . Oxides; Hydroxides
- C01G 53/06 . Carbonates
- C01G 53/08 . Halides
- C01G 53/09 .. Chlorides
- C01G 53/10 . Sulfates
- C01G 53/11 . Sulfides
- C01G 53/12 . Complexes with ammonia
- C01G 53/40 . { [Nickelates](#) }

WARNING

Groups [C01G 53/40](#) to [C01G 53/70](#) are not complete pending a reorganisation, see also [C01G 53/006](#) and [C01G 53/00](#)

- C01G 53/42 .. { containing alkali metals, e.g. LiNiO_2 }
- C01G 53/44 . . . { containing manganese }
- C01G 53/50 { of the type $[\text{MnO}_2]_n^-$, e.g. $\text{Li}(\text{NixMn}_{1-x})\text{O}_2$, $\text{Li}(\text{MyNixMn}_{1-x-y})\text{O}_2$]
- C01G 53/52 { of the type $[\text{Mn}_2\text{O}_4]_2^-$, e.g. $\text{Li}_2(\text{NixMn}_{2-x})\text{O}_4$, $\text{Li}_2(\text{MyNixMn}_{2-x-y})\text{O}_4$]
- C01G 53/54 { of the type $[\text{Mn}_2\text{O}_4]^-$, e.g. $\text{Li}(\text{NixMn}_{2-x})\text{O}_4$, $\text{Li}(\text{MyNixMn}_{2-x-y})\text{O}_4$]
- C01G 53/56 { of the type $[\text{MnO}_3]_2^-$, e.g. $\text{Li}_2[\text{NixMn}_{1-x}\text{O}_3]$, $\text{Li}_2[\text{MyNixMn}_{1-x-y}\text{O}_3]$]
- C01G 53/58 { of the type $[\text{Mn}_2\text{O}_8]_n^-$]
- C01G 53/60 { of the type $[\text{Mn}_2\text{O}_7]_n^-$]
- C01G 53/62 { of the type $[\text{Mn}_2\text{O}_5]_n^-$]
- C01G 53/64 { of the type $[\text{Mn}_5\text{O}_{12}]_n^-$]
- C01G 53/66 .. { containing alkaline earth metals, e.g. SrNiO_3 , SrNiO_2 }
- C01G 53/68 . . . { containing rare earth, e.g. $\text{La}_{1.62}\text{Sr}_{0.38}\text{NiO}_4$ }
- C01G 53/70 .. { containing rare earth, e.g. LaNiO_3 ([C01G 53/68](#) takes precedence)}

C01G 55/00 Compounds of ruthenium, rhodium, palladium, osmium, iridium, or platinum

- C01G 55/001 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 55/002 . {Compounds containing, besides ruthenium, rhodium, palladium, osmium, iridium, or platinum, two or more other elements, with the exception of oxygen or hydrogen ([C01G 55/007](#) takes precedence)}
- C01G 55/004 . {Oxides; Hydroxides}
- C01G 55/005 . {Halides}
- C01G 55/007 . {Compounds containing at least one carbonyl group}
- C01G 55/008 .. {Carbonyls}
- C01G 56/00 Compounds of transuranic elements**
- C01G 56/001 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 56/002 .. {by adsorption or by ion-exchange on a solid support}
- C01G 56/003 . {Compounds comprising, besides transuranic elements, two or more other elements, with the exception of oxygen or hydrogen ([C01G 56/001](#) takes precedence)}
- C01G 56/004 . {Compounds of plutonium ([C01G 56/001](#) takes precedence)}
- C01G 56/005 .. {Oxides; Hydroxides}
- C01G 56/006 .. {Halides}
- C01G 56/007 . {Compounds of transuranic elements ([C01G 56/001](#) and [C01G 56/004](#) take precedence)}
- C01G 56/008 .. {Compounds of neptunium}
- C01G 56/009 .. {Compounds of americium}
- C01G 99/00 Subject matter not provided for in other groups of this subclass**
- C01G 99/003 . {Preparation involving a liquid-liquid extraction, an adsorption or an ion-exchange}
- C01G 99/006 . {Compounds containing, besides a metal not provided for elsewhere in this subclass, two or more other elements other than oxygen or hydrogen ([C01G 99/003](#) takes precedence)}